TD01120735C2

Service Manual

Mini Cassette

DOLBY B NR

RQ-SX73
Stereo Cassette Player

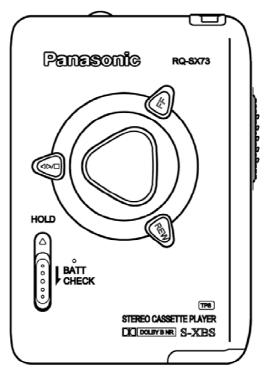
Colour (S).....Silver Type

(A).....Blue Type
Areas

(EG).....Europe.

(EB).....Great Britain.

AR10 Mechanism Series



SPECIFICATIONS

1

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

- 1. Location of Controls
- 2. Service Mode
- 2.1. Unit and Stereo Earphones Test

2.2. Remote Controller Test

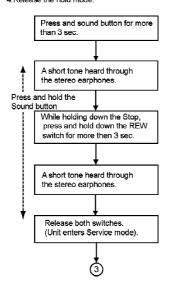
Preparations

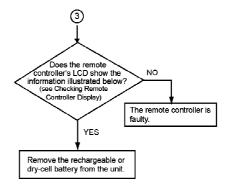
- Preparations

 1. Plug the stereo earphones into headphone jack.

 2. Insert a fully-charged rechargeable battery or dry cell
 (R6/LR6, AA, UM-3) (housed in battery case).

 3. Insert a cassette tape.
- 4. Release the hold mode

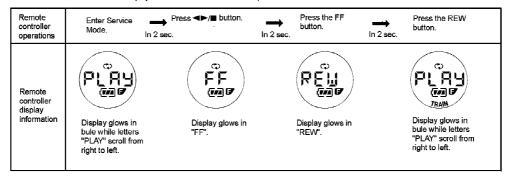




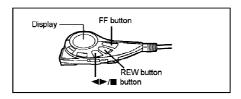
Note: The unit exits Service Mode when the battery is

• Checking remote controller Display

Note*: The remote controller display will be turned off if no button is pressed for 2 sec.



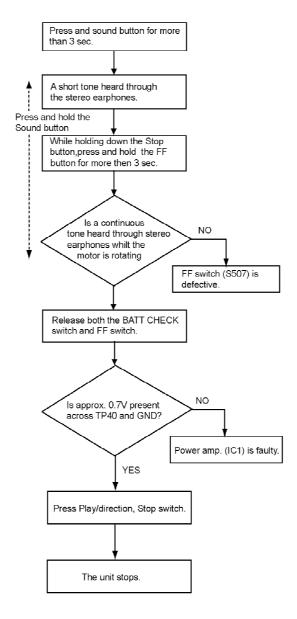
Remote controller Features



• The remote controller is functioning normally if the display appears as illustrated above.

2.3. Amplifier Test

This test is required if the amplifier is found to be malfunctioning through ,Unit and Stereo Earphone Test. Preparations: See Unit and Stereo Earphone Test.



Note: The unit exits Service Mode when the Play/direction, Stop switch is pressed.

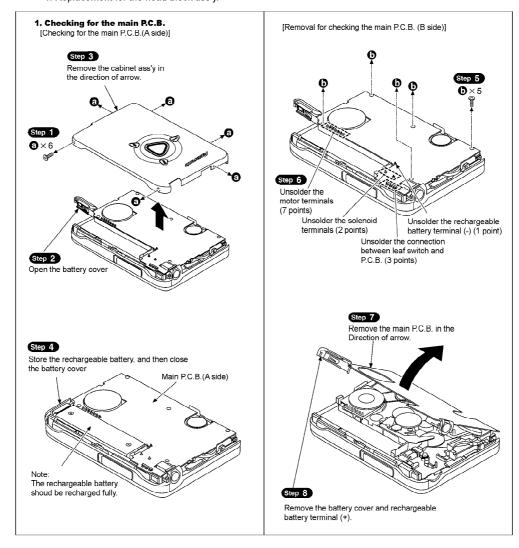
3. Mechanism Block Replacement Procedure

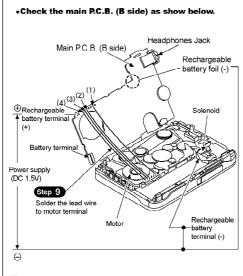
4. Operation Checks and Component Replacement / Procedures

- Note: 1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
 - For reassembly after operation checks or replacement, reverse the respective procedures Special ressembly procedures are described only when required.
 - 3. Select item from the following index when checks or replacement are required.

Contents

- 1. Checking for the main P.C.B..
- 2. Replacement for the motor and capstan belt.
- 3. Replacement for the intermedeate ornament (A).
- 4. Replacement for the head block ass'y.



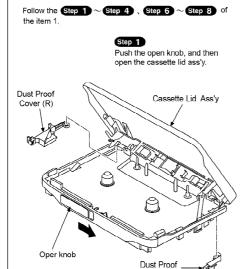


■ Operation Checks
Confirm that the beeper sounds once by headphones when depressing the BATT CHECK button more than 3 sec. under above condition, and then depress the BATT CHECK button and FF button at same time more than 3 sec., so the FF mode will be operated.

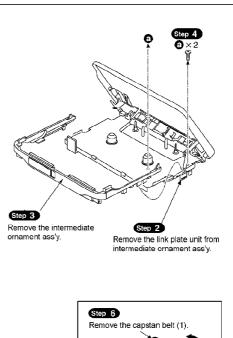
Depress the PLAY/DIRECTION/STOP (◆▶/■) Button,and

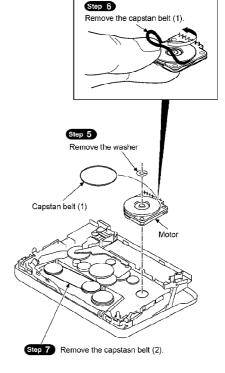
then that operation will be stopped.

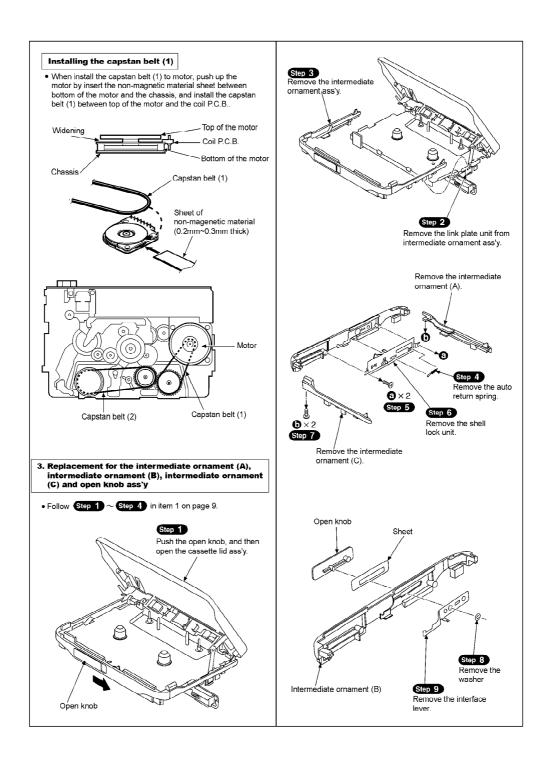
2. Replacement for the motor and capstan belt

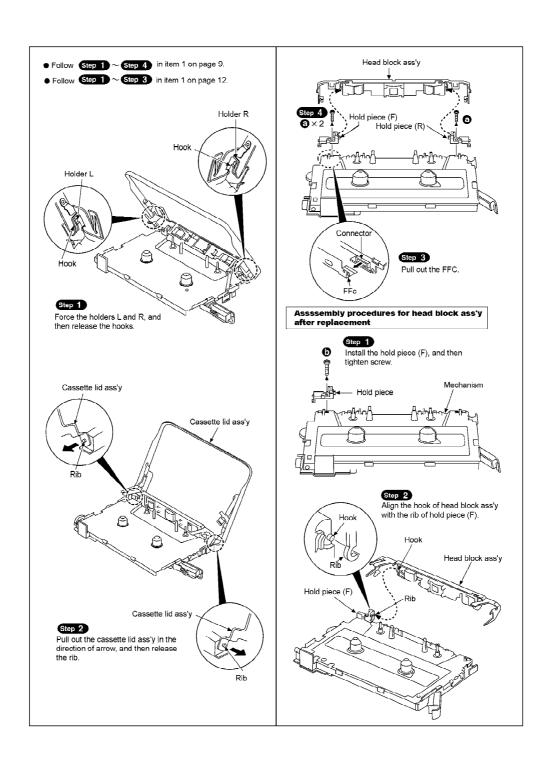


Cover (L)



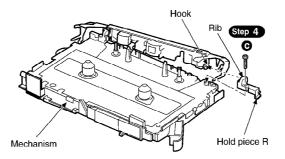






Step 3

Align the hook of head block ass'y with the rib of hold piece R, and then install the hold piece R to the mechanism.

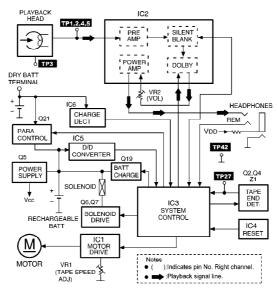


5. Check Point of Signal

CHECK I	TEST POINT	
	FWD Lch	TP4
	FWD Rch	TP5
HEAD	REV Lch	TP2
	REV Rch	TP1
	VREF	TP3
DOLBY OUT	Lch	TP9
↓ ↓	Rch	TP7
VOLUME VR	GND	TP42
DOMED AND	Lch	HEADPHONES JACK
POWER AMP	Rch	HEADPHONES JACK
	GND	HEADPHONES JACK
TAPE END	FWD	TP27
PULSE	GND	TP42

6. Schematic Diagram

6.1. Block Diagram



6.2. Schematic Diagram Notes

- FWD/REV/STOP detect switch in "FWD" position. SW1:SW2:
- HOLD /BATT CHK switch in BATT CHK position.
- SW3: Stop,Playback/direction switch.(■/◀▶)
- SW4: REW switch. (REW)
- SW5: FF switch. (FF)
- SW6-1: Cassette half detect switch. (IN...ON, OUT...OFF)
- SW6-2: Tape select switch. (Normal...ON, Metal/CrO2...OFF)
- VR1: Tape speed adjustment VR.
 VR2: Volume control VR. (VOLUME)
- DC voltage measurements are taken with electronics voltmeter from negative terminal of battery. No mark...Fast Forward (FF) mode.
- Current consumption of tape playback (FWD) Volume VR MAX.....45mA MIN......35mA
- Signal line
 - : Positive voltage line : Playback signal line
- This schematic diagram may be modified at any time with development of new technology.

6.3. Schematic Diagram

7. Printed Circuit Board Diagram

8. Type Illustration of ICs, Transistors and Diodes

9. Measurements and Adjustments

• Adjustment Instructions

READ CAREFULLY BEFORE ATTEMPTING ADJUSTMENTS		
Set volume control to maximum. Set Dolby NR switch to OFF.	 Release the hold state. Set power source voltage to 1.25V ~ 1.35V DC. 	

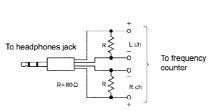
Control Positions and Equipment Used

1. Frequency counter

Tape Section

ITEM	TEST TAPE	MEASUREMENT POINT	ADJUSTMENT POINT	PROCEDURE
Tape speed adjustment	QZZCWAT (3 kHz, -10 dB)	Connect the frequency counter to headphones jack (80 \Omega) (Refer to Fig.1)	VR1 (Refer to Fig.2)	Playback the central part of the tape and adjust VR1 so that the tape speed is as follow. Forward: 3015 \pm 15 Hz Reverse: 2975 \sim 3055 Hz Make sure that the frequency range in within \pm 60 Hz for between "Forward" and "Reverse" mode.

Note: The Playback head is supplied on the head arm assembly. (See the Mechanism parts Location) The assembly requires no adjustment





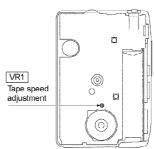


Fig. 2

10. Terminal Function of ICs

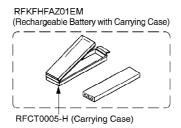
•IC3 (M34513M6096F):Mechanism Control

Pin Name N				-
LEDT O output	Pin No.	Terminal Name	1/0	Function
3 XBS-OFF O S-XBS control signal output 4 BEEP O Beep signal output 5 TPS IN I TPS control signal input 6 REEL- F I FWD reel pulse input 7 SELECT I Remote controller type select signal input 8 OPEN I Cassette tape insssert signal input 10 CN Vss - GND 11 X OUT O Crystal OSC terminal (800kHz) 11 X OUT O Crystal OSC terminal (800kHz) 12 X IN I Crystal OSC terminal (800kHz) 13 Vss - GND 14 VDD - Power supply 15 VDCE - GND 16 DISCHARGE O Battery condition detect signal output 17 DATA IN/OUT I/O Remote controller serial data input/output 18 A INO I BATT Check signal input 19 A IN1 I FWD/REV detect signal input 20 A IN2 I Operation switch signal input 21 A IN3 I BATT CHECK signal input 22 POWER OFF O Power control signal output 23 MOTOR O Motor drive signal output 24 M.CCW O Motor control signal output 25 SPEED O Motor speed control signal output 26 P-SOL O Solenoid drive signal output 27 FWD/REV O Power control signal output 28 T.PLS C O Power control signal output 30 DOLBY-L O DOLBY ON signal output 31 NOISE FREE O Sound SEL control signal output	1	LED 1	0	
4 BEEP O Beep signal output 5 TPS IN I TPS control signal input 6 REEL- F I FWD reel pulse input 7 SELECT I Remote controller type select signal input 8 OPEN I Cassette tape insssert signal input 10 CN Vss - GND 11 X OUT O Crystal OSC terminal (800kHz) 12 X IN I Crystal OSC terminal (800kHz) 13 Vss - GND 14 VDD - Power supply 15 VDCE - GND 16 DISCHARGE O Battery condition detect signal output 17 DATA IN/OUT I/O Remote controller serial data input/output 18 A INO I BATT Check signal input 19 A IN1 I FWD/REV detect signal input 20 A IN2 I Operation switch signal input 21 A IN3 I BATT CHECK signal input 22 POWER OFF O Power control signal output 23 MOTOR O Motor drive signal output 24 M.CCW O Motor control signal output 25 SPEED O Motor speed control signal output 26 P-SOL O Solenoid drive signal output 27 FWD/REV O Power Control signal output 28 T.PLS C O Power control signal output 30 DOLBY-L O DOLBY ON signal output	2	MUTE	0	Muting signal output
5 TPS IN I TPS control signal input 6 REEL-F I FWD reel pulse input 7 SELECT I Remote controller type select signal input 8 OPEN I (L= tape is inserted, H= Tape is not inserted) 9 RESET I Reset signal input 10 CN Vss - GND 11 X OUT O Crystal OSC terminal (800kHz) 12 X IN I Crystal OSC terminal (800kHz) 13 Vss - GND 14 VDD - Power supply 15 VDCE - GND 16 DISCHARGE O Battery condition detect signal output 17 DATA IN/OUT I/O Remote controller serial data input/output 18 A INO I BATT Check signal input 19 A IN1 I FWD/REV detect signal input 20 A IN2 I Operation switch signal input 21 A IN3 I BATT CHECK signal input 22 POWER OFF O Power control signal output 23 MOTOR O Motor drive signal output 24 M.CCW O Motor control signal output 25 SPEED O Motor speed control signal output 26 P-SOL O Solenoid drive signal output 27 FWD/REV O Power Control signal output 28 T.PLS C O Power control signal output 30 DOLBY-L O DOLBY ON signal output	3	XBS-OFF	0	S-XBS control signal output
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27 FWD/REV O Power AMP FWD/REV control signal output 28 T.PLS C O Power control signal output (for photocoupler) 29 PARA-L - Power control signal output 30 DOLBY-L O DOLBY ON signal output 31 NOISE FREE O Sound SEL control signal output	25	SPEED	0	Motor speed control signal output
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31 NOISE FREE O Sound SEL control signal output	29	PARA-L	-	Power control signal output
	30	DOLBY-L	О	DOLBY ON signal output
32 ASC ON1 O ASC EQ. control signal output	31	NOISE FREE	0	Sound SEL control signal output
	32	ASC ON1	0	ASC EQ. control signal output

11. Supply of Rechargeable Battery as Replacement Parts

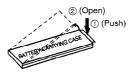
Please take note of the following points relating to Carrying Case to be used for protection of Rechargeable Battery from

- Replacement Parts:
 Rechargeable Battery (RFKFHFAZ01EM) to be supplied will be provided with Carrying Case (RFCT0005-H).
- No replacement parts will be supplied for Rechargeable Battery without Carrying Case.
- Replacement parts will be supplied for Carrying Case (RFCT0005-H) without Rechargeable Battery.
- To your customers, delivery Rechargeable Battery together with Carrying Case to prevent shorting accidents that may occur when Rechargeable Battery is carried about without Carrying Case.

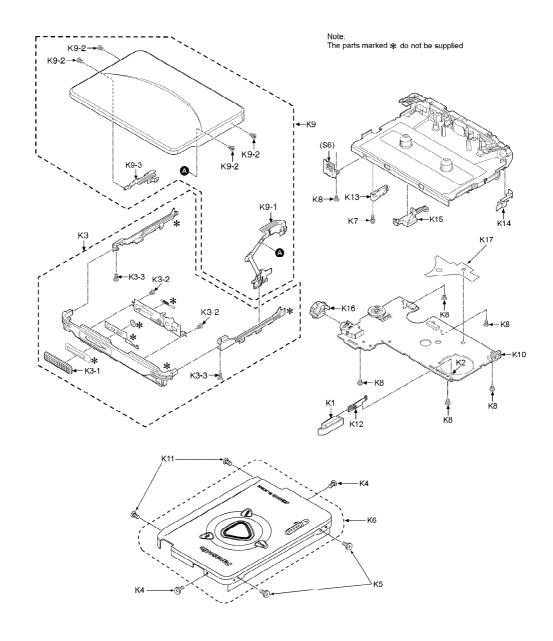


12. Caution in Use of Rechargeable Battery

Take Rechargeable Battery out of Carrying Case and use iy. Be sure to carry Rechargeable Battery in this Carrying Case. If not, may either head or ignite by shorting with a metal.



13. Cabinet Parts Location



14. Mechanism Parts Location

15. Packaging

16. Replacement Parts List

Notes:

- Important safety notice:

Components identified by \triangle mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufactures specified parts shown in the parts list.

- 1. (T) Indicates parts that are supplied TAMACO
- 2. (M) Indicates parts that are supplied MESA
- 3. The reference number SA represent the grease tool usea for unit.
- 4. The marking (RTL) indicates that Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
MECHANIS	SM PARTS		
<u>101</u>	BFL26NB1ET	MOTOR	(T)
102	XQS14+A2FZ	SCREW	(T)
103	RHW40002	WASH	(T)
104	RDV0037-1	CAPSTAN BELT(1)	(T)
105	RDV0038-2	CAPSTAN BELT(2)	(T)
106	RXQ0636	HEAD BLOCK ASS'Y	(T)
106-1	RXL0130	PINCH ROLLER ARM (F)	(T)
106-2	RME0187-4	SPRING	(T)
106-3	RXL0131	PINCH ROLLER ARM (R)	(T)
107	RFKRQSX72	MECHANISM BLOCK	(T)
107-1	RMQ0547-1	HOLD PIESE(F)	(T)
107-2	RHD14047	SCREW	(T)
107-3	RMQ0548-1	HOLD PIESE(R)	(T)
CABINET F	PARTS		
<u>K1</u>	RKKT0019-S	BATTERY COVER (Silver)	(T)
K1	RKKT0019-4A	BATTERY COVER (Blue)	(T)
<u>K2</u>	RJR0154-2	BATTERY SHAFT	(T)
<u>K3</u>	RYQT0001-S	MIDDLE ORNAMENT ASS'Y	(T)
K3-1	RGVT0039-SJ	OPEN KNOB	(T)
K3-2	RHE5119YA-J	SCREW	(T)
K3-3	XQN14+BG4FZJ	SCREW	(T)
<u>K4</u>	RHD14057-S	SCREW	(T)
<u>K5</u>	RHDT14026-S	SCREW	(T)
<u>K6</u>	RYKT0008-S	REAR CABINET ASS'Y (Silver)	(T)

Ref. No.	Part No.	Part Name & Description	Remarks
K6	RYKT0008-A	REAR CABINET ASS'Y (Blue)	(T)
<u>K7</u>	RHQ0013-1	SCREW	(T)
<u>K8</u>	RHQ0060-N	SCREW	(T)
<u>K9</u>	RYKT0007A-S	CASSETTE COVER ASS'Y (Silver)	(T)
К9	RYKT0007B-A	CASSETTE COVER ASS'Y (Blue)	(T)
K9-1	RXMT0001-J	LINK UNIT	(T)
K9-2	RHQ0062-S	SCREW	(T)
K9-3	RMAT0038-J	LINK ANGLE (R)	.,
K10	RJH9208-1	BATTERY TERMINAL	(T)
K11	RHQT0004-S	SCREW	(T)
K12	RJC99027	CHARGE TERMINAL(+)	(T)
K13	RJC99028-1	CHARGE TERMINAL(-)	(T)
K14	RMRT0040	DUST PROOF COVER (L)	(T)
K15	RMRT0041	DUST PROOF COVER (R)	(T)
K16	RMRT0039-1S	JACK PIECE	(T)
K17	RMZT0034	SHIELD SHEET	(T)
ACCESSOR		O'IIILLO O'IILL'	(.,
A1	RFAT0002-H	BATTERY CASE (NO.3)	(T)
A2	RFKFHFAZ01EM	RECHARGEABLE BATT. ASS'Y	(T)
A2-1	RFCT0005-H	BATT CASE	(T)
A3 [EG]	RFEB116E-1U		(T)
		BATTERY CHARGER A	
A3 [EB]	RFEB115B-1U	BATTERY CHARGER A	(T)
<u>A4</u>	RKQT0022-A	CHARGER HOLDER (Silver)	(T)
A4	RKQT0022-1A	CHARGER HOLDER (Blue)	(T)
<u>A5</u>	RFEV039P-AS	REMOTE CONT.UNIT	(T)
<u>A6</u>	RFEV330P-KT	INNERPHONE	(T)
<u>A7</u>	RQTT0445-E	INSTRUCTION BOOK	(T)
PACKING N	IATERIALS		
P1 [EG]	RPKT0459	DECORATION BOX (Silver)	(T)
P1 [EG]	RPKT0460	DECORATION BOX (Blue)	(T)
P2 [EG]	RPNT0371	PAD (FIXTURE)	(T)
P3 [EG]	RPNT0348	PAD (SET)	(T)
P4 [EB]	RPNT0380	CLAM SHEEL (Front)	(T)
P5 [EB]	RPNT0381	CLAM SHEEL (Rear)	(T)
P6 [EB]	RPQT0232	PAD	(T)
SA1	QZZCWAT	TEST TAPE (Tape Speed etc)	(M)
SA2	QZZCFM	TEST TAPE (AZIMUTH/FREQ)	(M)
MECHANIS	M		
MEC1	RAA3718-T	DECK MECHANISM ASS'Y	(T)
P.C.B			
PCB1	PBSX73EG	P.C.B ASS'Y *	(T)
INTEGRATE	D CIRCUITS TRANS	SISTORS AND DIODES	
IC1	LB11675V	I.C MOTOR CONTROL	(T)
IC2	AN7501FHQ-EB	I.C.POWER+DOLBY	(T)
IC3	M34513M6096F	I.C (U-COM)	(T)
IC4	XC61CN2102MR	RESET IC	(T)
IC5	XC6383A301MR	REGULATOR IC	(T)
IC6	XC61CN1802MR	RESET IC	(T)
IC7	S81223SGQWT1	REGULATOR	(T)
Q1	UMG3NTR	TRANSISTOR	(T)
Q2	RVTDTA123JUX	TRANSISTOR	(T)
Q3	RVTDTC114TUX	TRANSISTOR	(T)
Q4	2SD1819ASTX	TRANSISTOR	(T)
Q5	2SB815B6TB	TRANSISTOR	(T)
ત્રુ	23D013D01B	INAIIOION	(1)

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Ref. No.	Part No.	Part Name & Description	Remarks
Q6	2SD1328STX	TRANSISTOR	(T)
Q7	RVTDTA123JUX	TRANSISTOR	(T)
Q8	DTC143TETL	TRANSISTOR	(T)
Q9	DTC143TETL	TRANSISTOR	(T)
Q10	RVTDTA143ZUX	TRANSISTOR	(T)
Q11	UMG3NTR	TRANSISTOR	(T)
Q12	RVTDTC143ZUX	TRANSISTOR	(T)
Q13	RVTDTA143TUX	TRANSISTOR	(T)
Q14	2SB815B7TX	TRANSISTOR	(T)
Q20	RVTDTA144TUX	TRANSISTOR	(T)
Q21	XP161A1355PR	MOS FET	(T)
Q22	RVTDTC144EUX	TRANSISTOR	(T)
Q23	RVTDTA143EUX	TRANSISTOR	(T)
Q24	RVTDTA143TUX	TRANSISTOR	(T)
D1	MA2SD1000L	DIODE	
	+		(T)
D2	LTSTC170CKTP	CHIP L.E.D.	(T)
D3	LTSTC170CKTP	CHIP L.E.D.	(T)
D4	LTSTC170CKTP	CHIP L.E.D.	(T)
D6	MA2SD1000L	DIODE	(T)
COILS ANI	TRANSFORMERS		
L1	RLQQ470KT1-D	CHIP COIL	(T)
VARIABLE	RESISTORS		
VR1	RRN3A08B14WA	SEMI VARIABLE RESISTOR	(T)
VR2	EVUTUGB15A54	VARIABLE RESISTOR(VOLUME)	(T)
COMPONE	NT COMINATION		
Z1	CNB1002002AU	PHOTO COUPLER	(T)
SWITCHES	3		
SW1	RSS2A012-1A	SLIDE SWITCH	(T)
SW2	RSS2A012-1A	SLIDE SWITCH	(T)
SW3	RSG0051-P	TACT SWITCH	(T)
SW4	RSG0051-P	TACT SWITCH	(T)
SW5	RSG0051-P	TACT SWITCH	(T)
SW6	RSH1B011-5U	MULTI SENSOR SW.	(T)
JACK	1.02011.00		(-)
JK1	RJJ36TK03-1C	SOCKETS (H.P)	(T)
FPC CONN		SOCKETO (II.I)	(')
		EDC CONNECTOR	(T)
FWC1	RJS2A1606T1	FPC CONNECTOR	(T)
CRYSTAL			-
X1	RSXZ800KM01T	QUARTZ CRYSTAL OSCILLATOR	(T)
X1 RESISTOR	S		
X1 RESISTOR R1	S EXBV4V181JV	CHIP RESISTOR	(T)
X1 RESISTOR R1 R2	EXBV4V181JV EXBV4V183JV	CHIP RESISTOR CHIP RESISTOR	
X1 RESISTOR R1	S EXBV4V181JV	CHIP RESISTOR	(T)
X1 RESISTOR R1 R2	EXBV4V181JV EXBV4V183JV	CHIP RESISTOR CHIP RESISTOR	(T) (T)
X1 RESISTOR R1 R2 R3	EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V	CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR	(T) (T) (T)
X1 RESISTOR R1 R2 R3 R4	EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V	CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR	(T) (T) (T)
X1 RESISTOR R1 R2 R3 R4 R5	EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V	CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR	(T) (T) (T) (T)
X1 RESISTOR R1 R2 R3 R4 R5	EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V ERJ3GEYJ682V	CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR CHIP RESISTOR	(T) (T) (T) (T) (T)
X1 RESISTOR R1 R2 R3 R4 R5 R6	S EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V ERJ3GEYJ682V ERJ3GEYJ153V	CHIP RESISTOR	(T) (T) (T) (T) (T) (T)
X1 RESISTOR R1 R2 R3 R4 R5 R6 R7	S EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V ERJ3GEYJ682V ERJ3GEYJ153V ERJ3GEYJ223V	CHIP RESISTOR	(T) (T) (T) (T) (T) (T) (T) (T)
RESISTOR R1 R2 R3 R4 R5 R6 R7 R8	S EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V	CHIP RESISTOR	(T)
X1 RESISTOR R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11	S EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ682V ERJ3GEYJ682V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V	CHIP RESISTOR	(T)
X1 RESISTOR R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	EXBV4V181JV EXBV4V183JV ERJ3GEYJ271V ERJ3GEYJ273V ERJ3GEYJ682V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ153V ERJ3GEYJ104V	CHIP RESISTOR	(T)

Ref. No.	Part No.	Part Name & Description	Remarks
R16	ERJ3GEYJ153V	CHIP RESISTOR	(T)
R17	ERJ3GEYJ153V	CHIP RESISTOR	(T)
R18	ERJ3GEYJ222V	CHIP RESISTOR	(T)
R19	ERJ3GEYJ394V	CHIP RESISTOR	(T)
R20	ERJ3GEYJ394V	CHIP RESISTOR	(T)
R21	ERJ3GEYJ103V	CHIP RESISTOR	(T)
R22	ERJ3GEYJ154V	CHIP RESISTOR	(T)
R23	ERJ3GEYJ391V	CHIP RESISTOR	(T)
R24	ERJ3GEYJ154V	CHIP RESISTOR	(T)
R25	ERJ3GEYJ474V	CHIP RESISTOR	(T)
R26	ERJ3GEYJ224V	CHIP RESISTOR	(T)
R27	ERJ3GEYJ105V	CHIP RESISTOR	(T)
R28	ERJ3GEYJ474V	CHIP RESISTOR	(T)
R29	ERJ3GEY0R00V	CHIP RESISTOR	(T)
R30	ERJ3GEYJ392V	CHIP RESISTOR	(T)
R31	ERJ3GEYJ474V	CHIP RESISTOR	(T)
R32	ERJ3GEYJ2R2V	CHIP RESISTOR	(T)
R33	ERJ3GEYJ2R2V	CHIP RESISTOR	(T)
R34	ERJ3GEYJ472V	CHIP RESISTOR	
R35	ERJ3GEYJ101V	CHIP RESISTOR	(T)
R36	+		(T)
	ERJ3GEYJ223V	CHIP RESISTOR	(T)
R37	ERJ3GEYJ223V	CHIP RESISTOR	(T)
R38	ERJ3GEYJ154V	CHIP RESISTOR	(T)
R39	ERJ3GEYJ681V	CHIP RESISTOR	(т)
R40	ERJ3GEYJ154V	CHIP RESISTOR	(T)
R41	ERJ3GEYJ104V	CHIP RESISTOR	(T)
R42	ERJ3GEYJ102V	CHIP RESISTOR	(T)
R43	ERJ3GEYJ681V	CHIP RESISTOR	(T)
R44	EXBV4V683JV	CHIP RESISTOR	(T)
R45	ERJ3GEYJ394V	CHIP RESISTOR	(T)
R46	ERJ3GEYJ681V	CHIP RESISTOR	(T)
R47	ERJ3GEYJ474V	CHIP RESISTOR	(T)
R48	ERJ3GEYJ564V	CHIP RESISTOR	(T)
R49	ERJ3GEYJ684V	CHIP RESISTOR	(T)
R50	ERJ3GEYJ274V	CHIP RESISTOR	(T)
R51	ERJ3GEYJ152V	CHIP RESISTOR	(T)
R52	ERJ6GEYD564V	CHIP RESISTOR	(T)
R53	ERJ3GEYJ334V	CHIP RESISTOR	(T)
R54	ERJ3GEYJ223V	CHIP RESISTOR	(T)
R55	ERJ3GEYJ224V	CHIP RESISTOR	(T)
R56	ERJ3GEYJ394V	CHIP RESISTOR	(T)
R57	ERJ3GEYJ681V	CHIP RESISTOR	(T)
R58	ERJ6GEYD684V	CHIP RESISTOR	(T)
R59	ERJ6GEYD564V	CHIP RESISTOR	(T)
R60	ERJ6GEYD684V	CHIP RESISTOR	(T)
R62	ERJ3GEYJ822V	CHIP RESISTOR	(T)
R63	ERJ3GEYJ150V	CHIP RESISTOR	(T)
R64	ERJ3GEYJ2R2V	CHIP RESISTOR	
			(T)
R66	ERJ6GEYJ181V	CHIP RESISTOR	(T)
R67	ERJ3GEYJ104V	CHIP RESISTOR	(T)
R68	ERJ3GEYJ105V	CHIP RESISTOR	(T)
R73	ERJ3GEYJ392V	CHIP RESISTOR	(T)
R74	ERJ3GEYJ392V	CHIP RESISTOR	(T)
R75	ERJ3GEYJ273V	CHIP RESISTOR	(T)

Ref. No.	Part No.	Part Name & Description	Remarks
R76	ERJ3GEYJ473V	CHIP RESISTOR	(T)
CHIP JUMI	PERS		
RJ1	ERJ8GEY0R00V	CHIP RESISTOR	(T)
RJ2	ERJ3GEY0R00V	CHIP RESISTOR	(T)
CAPACITO	RS		
C1	ECUVNA225KBN	CHIP CAPACITOR	(T)
C2	ECUVNA334KBV	CHIP CAPACITOR	(T)
C3	RCST0EY226RG	TANTALUM CAP.	(T)
C4	ECUV1H681KBV	CHIP CAPACITOR	(T)
C5	ECUV1H681KBV	CHIP CAPACITOR	(T)
C6	RCST0EY336RG	TANTALUM CAP.	(T)
C7	ECUV1H681KBV	CHIP CAPACITOR	(T)
C8	ECUV1H332KBV	CHIP CAPACITOR	(T)
C9	RCST0EY336RG	TANTALUM CAP.	(T)
C10	ECUV1H332KBV	CHIP CAPACITOR	(T)
C11	ECUV1H681KBV	CHIP CAPACITOR	(T)
C12	ECUVNA224KBV	CHIP CAPACITOR	(T)
C13	ECUV1C223KBV	CHIP CAPACITOR	(T)
C14	ECUV1C223KBV	CHIP CAPACITOR	(T)
C15	ECUVNC333KBV	CHIP CAPACITOR	(T)
C16	ECUV1H152KBV	CHIP CAPACITOR	(T)
C17	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C18	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C19	ECST1CY225R	TANTALUM CAP.	(T)
C20	ECUVNA225KBN	CHIP CAPACITOR	(T)
C21	ECUV1H221KBV	CHIP CAPACITOR	(T)
C22	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C23	ECUVNC473KBV	CHIP CAPACITOR	(T)
C24	ECUV0J474KBV	CHIP CAPACITOR	(T)
C26	ECUV1H332KBV	CHIP CAPACITOR	(T)
C27	ECUV1H332KBV	CHIP CAPACITOR	(T)
C28	ECUV1E103KBV	CHIP CAPACITOR	T
C29	ECUV1E103KBV	CHIP CAPACITOR	(T)
C30	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C31	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C32	ECUVNA334KBV	CHIP CAPACITOR	(T)
			(T)
C33	ECUVNA334KBV	CHIP CAPACITOR	(T)
C34	ECUV1E103KBV	CHIP CAPACITOR	(T)
C35	ECUV1E103KBV	CHIP CAPACITOR	(T)
C36	ECUV1H272KBV	CHIP CAPACITOR	(T)
C37	ECUV1H272KBV	CHIP CAPACITOR	(T)
C38	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C39	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C40	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C41	ECUV1H681KBV	CHIP CAPACITOR	(Т)
C42	ECUVNC563KBV	CHIP CAPACITOR	(T)
C43	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C44	ECUV1H681KBV	CHIP CAPACITOR	(T)
C45	ECUVNA224KBV	CHIP CAPACITOR	(T)
C46	RCST0EY336RG	TANTALUM CAP.	(T)
C47	ECST1CY225R	TANTALUM CAP.	(T)
C48	ECUV1C683KBV	CHIP CAPACITOR	(T)
C49	ECST0GY685R	TANTALUM CAP.	(T)
C50	RCST0JY106TG	TANTALUM CAP	(T)

Ref. No.	Part No.	Part Name & Description	Remarks
C51	RCST0GY226RG	TANTALUM CAP.	(T)
C52	ECUVNC104KBV	CHIP CAPACITOR	(T)
C53	ECUVNC334ZFV	CHIP CAPACITOR	(T)
C54	ECUVNC334ZFV	CHIP CAPACITOR	(T)
C55	ECUV1H680JCV	CHIP CAPACITOR	(T)
C56	ECUV1H680JCV	CHIP CAPACITOR	(T)
C57	ECUVNC104KBV	CHIP CAPACITOR	(T)
C58	RCST0EY686RG	TANTALUM CAP.	(T)
C59	ECUVNA105ZFV	CHIP CAPACITOR	(T)
C60	RCST0EY686RG	TANTALUM CAP.	(T)
C61	ECST1CY225R	TANTALUM CAP.	(T)
C63	ECUVNA224KBV	CHIP CAPACITOR	(T)
C64	RCST0GY476RG	TANTALUM CAP.	(T)
C72	RCST0GY476RG	TANTALUM CAP.	(T)
C73	ECUVNC104KBV	CHIP CAPACITOR	(T)
C76	ECUV1H102KBV	CHIP CAPACITOR	(T)
C77	ECUVNC104KBV	CHIP CAPACITOR	(T)
C78	ECUV1H272KBV	CHIP CAPACITOR	(T)
C79	ECUV1H392KBV	CHIP CAPACITOR	(T)

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